

DC3010 Individual Project Definition Form

<i>Student's name</i> James Gee
<i>Company</i> Capgemini
<i>Company Supervisor</i> John Clifford
<i>Project title</i> Building an accessible web
<i>What is the project about?</i> Accessibility is often an afterthought when developing web applications. This project aims to reduce the feedback loop and enable software engineers through training and tooling to learn and build accessible websites from the outset.
<i>What is the project deliverable? The deliverable is the output of the project. This output could be a piece of software, or it could be a set of models, recommendations or guidelines from which clients or future researchers can benefit.</i> <ul style="list-style-type: none"> - A report detailing the problem, and methods on reducing issues - A training guide documenting best practices - A software component which enables developers to quickly assess and understand changes they need to make to improve their sites accessibility.
<i>How is this project adding value to the company?</i> Capgemini are often asked to deliver web applications that comply with the WCAG standards. A common problem is that engineers don't have the specific skills and experience to create accessible sites from the outset, often making it a costly rework later on. This project adds value by removing the need for the experience and education and producing a tool to tell engineers what they need to do.
<i>Your project should be achievable within the time which you have available to you. Insert a timetable showing how you plan to complete the project. You only need to include the main stages in the proposed work plan.</i> Jan – Research & problem elaboration (Creation of functional requirements & NFR's) - Inception Feb –Identification of possible solutions & prototyping to understand solution (Solution design & plan) – Elaboration March – Completion of product with NFR testing - Construction April – Refinement and further iterations of product, initial draft of final report – Construction/Transition May – Report & product completion
<i>Your project should demonstrate professional competence in at least one of the skills outcomes from the Digital & Technology Solutions Professional Assessment Plan. Identify one skill out of those outlined in Appendix 1 – A (Assessing the Skills Outcomes) of the assessment plan document that you could demonstrate through the project that you have achieved professional competence in. How do you plan to demonstrate this skills outcome?</i>

Systems Development – See timeline

Your project should demonstrate depth and rigour of understanding in at least three of the knowledge outcomes from the [Digital & Technology Solutions Professional Assessment Plan](#). Identify ONE knowledge outcome for each of the THREE areas of competence outlined in Appendix 1 - B (Assessing the Knowledge Outcomes) of the assessment plan document that you can address in the project with depth and rigour. How do you plan to address these knowledge outcomes?

Business – How to conduct system/business process analysis – This will be achieved through the production of requirements

Technology - Software design approaches & patterns and how to interpret and implement a given design – This will be demonstrated through the software produced

Project - The different approaches for managing projects in an IT environment – This will be shown in the final report

Notes: (1) *The layout of this form may be adjusted as necessary to fit the needs of any particular project.*
(2) *You can remove these notes from your final project definition!*